

## NOTES ON THE BUTTERFLIES OF KHAO YAI NATIONAL PARK—PART II

(Including Additions and Corrections to Part I)

by

PHILIP A. REEVES

### Introduction

Since the completion of Part I, an effort has been made to classify as much of the remaining material as possible. As a result, a great deal of additional information has come to light concerning many of the species already mentioned in Part I—specifically in regard to dates and areas where collected, materials on which the species were taken, and other butterflies found feeding with them.

Four additional collecting trips to the main areas of the park since January 1965 have helped to validate the occurrence of some species that have been recorded only once or twice. Another collecting trip to the Nang Rong Falls area of Nakorn Nayok has added several new species to that listing.

With the completion of Part II, this study has thus far resulted in the collection of a total of 182 species, belonging to 89 genera of the families *Papilionidae*, *Pieridae*, *Danidae*, *Satyridae*, *Amathusiidae*, *Nymphalidae*, *Libytheidae*, *Riodinidae*, *Lycaenidae*, and *Hesperiidae*.

No effort has been made at this time to discuss the various vegetative habitats, as these have already been covered in Part I of this series.<sup>1)</sup>

A small number of *Lycaenids* still remain to be classified. However, it is hoped that this material can be clarified in the future.

### Annotated List

This listing comprises: 1. New additions to the original list, including both scientific and common names, the areas in the park where that species was taken, the months of its occurrence, its habits—if

---

1) See Notes on the Butterflies of Khao Yai National Park—Part I, January, 1966, Natural History Bulletin, Siam Society, Vol. 21, No. 1 & 2, pp. 1-20.

taken other than in flight—and if collected with other species, the annotated list numbers of those species, in that order 2. Some species mentioned in Part I, in order to include new data—in the same order as for new species, omitting only the common name.

#### Family PAPILIONIDAE

- 1a. *Troides aeacus praecox* (BATES) (Unknown)  
(D); (Dec.).
- 1b. *Papilio zaleucus* HEWITSON (Unknown)  
(I); (Aug).
- 2a. *Chilasa clytia clytia* form *onpape* MOORE (Common Mime)  
(L); (Apr.).
- 3a. *Chilasa mahadeva selangoranus* (FRUHSTORFER) (Unknown)  
(L-M); (Mar.-July).
6. *Papilio helenus helenus* L.  
( ); (Sept.).
14. *Graphium sarpedon luctatius* (FRUHSTORFER)  
( ); (Dec.).
15. *Graphium doson evemonides* (HONRATH)  
(K); (Nov.).
- 15a. *Graphium arycles arycles* (BOISDUVAL) (Spotted Jay)  
(L); (May).<sup>2)</sup>
16. *Graphium agamemnon agamemnon* (L.)  
( ); (Dec.).
17. *Graphium macareus perakensis* (FRUHSTORFER) (Lesser Zebra)<sup>3)</sup>

#### Family PIERIDAE

19. *Leptosia nina malayana* FRUHSTORFER  
(H); ( ).
- 19a. *Delias hyparte metarete* BUTLER (Painted Jezebel)  
(H); (Mar.).
- 21a. *Cepora nadina andersoni* DISTANT (Lesser Gull)  
(E-K-L); (Jan.-Feb.-May-July); (on wet sand and mud); (on wet sand with this species—23b, 24); (on mud with this species—59).

2) This species collected by John BRANDT

3) Correction to Part I in species and common name, which read: *Graphium delessertii delessertii* (GUÉRIN-MENEVILLE), (Malayan Zebra).



22. *Appias lyncida vasava* FRUHSTORFER  
(M); (Sept.).
- 23a. *Appias indra plana* BUTLER (Plain Puffin)  
(L-M); (Jan.-Feb.-Mar.-Apr.-Dec.); (on wet sand); (on wet sand with this species—23b, 24).

This species was seen migrating in a more or less northwest direction, downstream along the Lam Takrong river during the early part of April, in the L area.

- 23b. *Appias lalassis* GROSE-SMITH (Spot Puffin)  
(L); (Jan.-Feb.); (on wet sand); (on wet sand with this species—24).
24. *Appias albina albina* (BOISDUVAL)  
(K-M); (Sept.).
- 24a. *Appias albina* form *semiflava* (female) (Common Albatross)  
(L); (July).
- 24b. *Appias wardi* (MOORE) (Lesser Albatross)  
(L); (Apr.).

This species was seen migrating in a general northward direction, downstream along the Lam Takrong river during the early part of April, in the L area.

- 24c. *Appias paulina distanti* (MOORE) (Ceylon Lesser Albatross)  
(L); (Feb.).
25. *Hebomoia glaucippe aturia* FRUHSTORFER  
(E-K-M); (May.-Sept.-Nov.).
28. *Catopsilia pomona pomona* (FABRICIUS)

This species was seen migrating in approximately a north-west direction, along the Lam Takrong river during the latter part of the month of March in the L area.

29. *Eurema hecabe contubernalis* (MOORE)  
(M); (Sept.).
- 29a. *Gandaca harina distanti* MOORE (Tree Yellow)  
(L); (Mar.).

## Family DANAIIDAE

33. *Danaus aspasia aspasia* (FABRICIUS)  
( ); (Dec.).
- 34a. *Danaus vulgaris macrina* (FRUHSTORFER) (Blue Glassy Tiger)  
(L); (May).<sup>4)</sup>
36. *Danaus aglea melanoides* (MOORE)  
(I).
- 37a. *Euploea camaralzaman* BUTLER (Unknown)  
(C-D-G-L-M); (Feb.-Apr.-May-Nov.); (on mud); (on mud with  
this species 10, 41).
- 37b. *Euploea alcatheae* (GODART) (Striped Black Crow)  
(N); (May).
- 37c. *Euploea core wheeleri* TALBOT (Unknown)  
(H-L); (Mar.).
38. *Euploea core godartii* LUCAS (Violet-tipped Crow)<sup>5)</sup>  
(D); (Apr.).
40. *Euploea algea menetriesii* C. & R. FELDER  
(I-L); (Feb.-Apr.).
41. *Euploea mulciber mulciber* (CRAMER)  
(K); (Dec.).
- 41a. *Euploea midamus chloe* (GUÉRIN-MÈNEVILLE) (Blue Spotted Crow)  
(D-E-I-K-L-N); (Jan.-Mar.-May-Sept.); (on mud and excrement);  
(on mud with this species 5, 13, 14, 34, 42, 75); (on excrement with  
this species 43, 80).
- 41b. *Euploea modesta modesta* BUTLER (Unknown)  
(H-I-K-L); (Feb.-Mar.-Apr.-May-Aug.-Sept.).
42. *Euploea sylvester harrisii* C. & R. FELDER  
(N).
- 42a. *Euploea leucostictos leucogonis* (BUTLER) (Blue-branded King Crow)  
(L-N); (May-July).
43. *Euploea diocletianus diocletianus* (FABRICIUS)  
(K).

---

4) This species collected by John BRANDT

5) Correction to Part I, in common name only, which read: (Common Indian Crow).



## Family SATYRIDAE

46. *Lethe confusa enima* FRUHSTORFER  
(M); (Dec.).
- 46a. *Lethe chandica namura* FRUHSTORFER (Unknown)  
(L); (Dec.).
47. *Mycalesis mineus macromalayana* FRUHSTORFER  
( ); (Sept.).
- 47a. *Mycalesis perseus cepheus* BUTLER (Common Bushbrown)  
(E-G); (Aug.-Nov.).
- 47b. *Mycalesis visala phamis* TALBOT & CORBET (Long-brand Bushbrown)  
(H); (Mar.).
- 47c. *Mycalesis gotama* MOORE (Chinese Bushbrown)  
(G); (Aug.).
- 47d. *Mycalesis orseis nautilus* BUTLER (Purple Bushbrown)  
(G); (Sept.).
48. *Mycalesis anaxias bisaltia* FRUHSTORFER  
(M); (Dec.).
49. *Orsotriaena medus cinerea* BUTLER  
(M); (Sept.).
51. *Melanitis phedima abdullae* DISTANT  
(F).
52. *Elymnias hypermnestra beatrice* FRUHSTORFER  
( ); (Sept.).
- 54a. *Elymnias penanga penanga* (WESTWOOD) (Pointed Palmfly)  
(L); (Jan.).

## Family AMATHUSIDAE

- 55a. *Faunis canens arcesilas* STICHEL (Common Faun)  
(L); (Feb.- Mar.-Dec.).
- 55b. *Zeuxidia amethystus amethystus* BUTLER (Saturn)  
(L); (July).<sup>6)</sup>

---

6) This species collected by John BRANDT

## Family NYMPHALIDAE

56. *Ariadne ariadne ariadne* (L.)  
( ); (Sept).
- 57a. *Phalantha phalantha phalantha* (DRURY) (Common Leopard)  
(L); (Dec.).
- 58a. *Paduca fasciata fasciata* (C. & R. FELDER) (Unknown)  
(E-F-H-I-K-L-M); (July-Sept.-Oct.-Nov.-Dec.).
59. *Cirrochroa tyche rotundata* BUTLER  
(M); (Sept.-Dec.).
62. *Precis atlites atlites* (L.)  
( ); (May).
63. *Precis lemonias lemonias* (L.)  
( ); (July).
65. *Precis orithya wallacei* (C. & R. FELDER)  
( ); (Aug.).
- 65a. *Polygonia canace perakana* (DISTANT) (Blue Admiral)  
(L); (May).<sup>7)</sup>
66. *Symbrenthia hippoclus lucinus* FRUHSTORFER  
(M); (Feb.-Sept.).
69. *Kallima paralekta amplirufa* FRUHSTORFER  
(E); (May).
70. *Cyrestis nivea nivalis* (C. & R. FELDER)  
(K).
- 70a. *Cyrestis themire themire* HONRATH (Unknown)  
(I); (Aug.) (on mud); (on mud with this species 6, 10, 14, 18, 44,  
70, 102, 117, 119).
- 70b. *Chersonesia risa cyanee* (NIC`VILLE) (Common Maplet)  
(F-J-L); (Mar.-May-July).
71. *Neptis hordonia hordonia* (STOLL)  
(E-L); (Jan.-Mar.-Nov.).
73. *Neptis hylas mamaja* BUTLER  
( ); (Sept.).

---

7) This species collected by John BRANDT



74. *Neptis soma gononata* BUTLER  
(M); (Sept.).
- 74a. *Neptis miah sarochoa* (FRUHSTORFER) (Small Yellow Sailor)  
(J); (July).
- 76a. *Parathyma nefte subrata* (MOORE) (Colour Sergeant)  
(H); (Oct.).
- 77a. *Parathyma zeroa* (MOORE) (Small Staff Sergeant)  
(B); (Jan.).
80. *Moduza procris milonia* (FRUHSTORFER)  
(E-M).
- 85a. *Euthalia julii* (BOUGAINVILLE) (Common Earl)  
(I-L); (May-Oct.).
90. *Apatura ambica* Kollar<sup>8)</sup>
- 90a. *Herona marathus angustata* MOORE (Pasha)  
(E); (Jan.).
91. *Idrusia nyctelius euploeoides* (C. & R. FELDER) (male)  
(M); (Sept.).
92. *Idrusia nyctelius euploeoides* (C. & R. FELDER) form *euploeoides*  
(female)  
(C-D-L); (Sept.-Nov.-Dec.).<sup>9)</sup>
- 93a. *Prothoe franki uniformis* BUTLER (Unknown)  
(L); (Dec.).
- 94a. *Polyura delphis concha* (VOLLENHOEVEN) (Jewelled Nawab)  
(L); (Dec.).

## Family RIODINIDAE

- 100a. *Abisara neophron chelina* (FRUHSTORFER) (Plum Judy)  
(L-M); (Sept.).
- 101a. *Miletus biggsii biggsii* (DISTANT) (Biggs' Brownie)  
(F-I); (Jan.-Aug.); (on mud); (taken on mud with this species  
44, 102, 104a, 104d, 104f, 116c, 117, 119).

8) Correction to Part I - no subspecies

9) Correction to Part I -- areas and dates omitted in Part I

## Family LYCAENIDAE

102. *Castalius roxus pothus* FRUHSTORFER  
(M); (Dec.).
- 104a. *Celastrina puspa lambi* (DISTANT) (Common Hedge Blue)  
(I-L-M); (Apr.-May-Aug.-Dec.); (on wet sand and mud; (on wet sand with this species 111); (on mud with this species 14, 17, 41, 41a, 42, 101a, 102, 103, 117, 119).
- 104b. *Celastrina dilectus briga* (FRUHSTORFER) (Pale Hedge Blue)  
(L); (Feb.).
- 104c. *Catochrysops panormus exiguus* (DISTANT) (Silver Forget-me-not)  
(E-G); (Sept.-Nov.).
- 104d. *Lampides boeticus* (L.) (Peablu)  
(I-J); (July-Aug.); (on mud); (on mud with this species 44, 101a, 104a, 104f, 116c, 117, 119).
- 104e. *Nacaduba lysa intricata* CORBET (Unknown)  
(L); (Mar.-Apr.); (on moist sand); (on moist sand with this species 104a, 110, 111).
- 104f. *Nacaduba nora superdates* FRUHSTORFER  
(D-E-G-I-J-K-L-M); (Jan.-Mar.-Apr.-July-Aug.-Dec.); (on wet sand and on mud); (on mud with this species 101a, 104a, 104d, 109a, 116c, 117, 119); (on wet sand with this species 104e, 110).
105. *Jamides celano aelianus* (FABRICIUS)  
(M); (Dec.).
- 105a. *Jamides alecto agelades* (FRUHSTORFER) (Metallic Cerulean)  
(C); (Nov.).
- 105b. *Jamides cyta minna* RILEY & CORBET (Unknown)  
(F); (July).
- 106a. *Arhopala perimuta regina* CORBET (Yellowdisc Oakblue)  
(F); (May-July-Oct.); (on mud); (on mud with this species 106c, 109a).
- 106b. *Arhopala bazalus zalinda* CORBET (Powdered Oakblue)  
(D); (Dec.).



- 106c. *Arhopala antimuta antimuta* C. & R. FELDER  
(Small Tailless Oakblue)  
(L); (May); (taken on mud); (taken on mud with this species 109a).
- 106d. *Surenda vivarna amisena* (HEWITSON) (Acacia Blue)  
(L); (July).
- 106e. *Loxura cassiopeia* DISTANT  
(M); (Dec.).
- 106f. *Drina donina usira* (C. & R. FELDER) (Unknown)  
(L); (May).<sup>10)</sup>
109. *Marmessus theda thesmia* (HEWITSON) (Unknown)  
(D-J-L-M); (Mar.-Apr.-July-Dec.).
- 109a. *Chiliaria kina celastroides* CORBET (Blue Tit)  
(L); (May); (on mud); (on mud with this species 106a, 106c).
- 109b. *Chiliaria othona pahanga* CORBET (Orchid Tit)  
(J); (July); (on mud); (on mud with this species 59).
110. *Hypolycaena erlus teatus* FRUHSTORFER  
(E-H-I-L); (Feb.-Mar.-Aug.-Oct.); (on moist sand and on mud).
111. *Zeltus amasa maximinianus* FRUHSTORFER  
( ); (Apr.); (on wet sand).
- 111a. *Remelana jangala travana* (HEWITSON) (Chocolate Royal)  
(I); (Aug.).
- 111b. *Rapala dieneces dieneces* (HEWITSON) (Scarlet Flash)  
(I); (Oct.).

## Family HESPERIIDAE

112. *Hasora vitta vitta* (BUTLER) (Plain Banded Awl)  
(E-K); (Jan.-Nov.); (taken on wild flowers and on mud)<sup>11)</sup>
- 112a. *Hasora chromus chromus* (CRAMER) (Common Banded Awl)  
(F-M); (Jan.-Dec.).
- 115a. *Tagiades gana gana* (MOORE) (Large Snow Flat)  
(L); (May).<sup>12)</sup>

---

10) This species collected by John BRANDT

11) Correction to Part I in genus, species, and common name, which read : *Bibasis sena uniformis* (ELWES & EDWARDS), (Orange-tail Awl).

12) This species collected by John BRANDT

- 115b. *Tagiades japetus ravi* (MOORE) (Unknown)  
(H-M); (Mar.-Nov.-Dec.).
- 116a. *Astictopterus jama jama* (C. & R. FELDER) (Forest Hopper)  
(L); (Feb.).
- 116b. *Iambrix salsala salsala* (MOORE) (Chestnut Bob)  
(E); (Jan.).
- 116c. *Sancus fuligo fuligo* (MABILLE) (Coon)  
(C-D-E-H-I-L); (Mar.-July-Aug.-Sept.-Nov.-Dec.); (taken on  
wet rock and on mud); (on mud with this species 44, 102, 104a,  
104d, 104f, 117, 119).
- 116d. *Ancistroides nigrita maura* (SNELLEN) (Chocolate Demon)  
(D-E-F-G-H-I-L-M); (Jan.-Mar.-May-July-Sept.-Oct.-Dec.);  
(taken on fruit); (on fruit with this species 15, 75, 86, 88).
- 117a. *Notocrypta clavata clavata* (STAUDINGER) (Unknown)  
(L); (Mar.); (on moist sand); (on moist sand with this species  
17, 97).
118. *Notocrypta curvifascia corinda* EVANS  
(G); (Oct.).
120. *Pelopidas assamensis* (NICÉVILLE) (Unknown)  
(E); (Nov.).
121. *Baoris oceia* (HEWITSON) (Paintbrush Swift)  
(C); (Sept.-Nov.).

At the end of this paper can be found a chart which attempts to consolidate all of the butterflies listed in Parts I and II, including the areas and months of occurrence of each species. (Appendix I)

#### Additional Data for the Nang Rong Falls Area

Figures in parentheses correspond with the numbers in the annotated list of species. Those species without a number in parenthesis have not been taken in the fourteen collecting areas designated in Part I.



The following species are additions to the Nakorn Nayok listing for February 21, 1965.

*Chilasa clytia clytia* form *dissimilis* (L.)

*Papilio hipponous siamensis* GODFREY

*Papilio memnon agenor* form *distanianus* ROTHSCCHILD (9)

*Eurema brigitta senna* (C. & R. FELDER)

*Gandaca harina distant* MOORE (29a)

*Euploea doubledayi evalida* (SWINHOE) (39)

*Euploea algea menetriesii* (C. & R. FELDER) (40)

*Melanitis leda leda* (L.) (50)

*Vindula arsinoe erotella* (BUTLER) (58)

The following species are additions to the Nakorn Nayok listing, for the new date of December 4, 1966.

*Graphium macareus perakensis* (FRUHSTORFER) (17)

*Euthalia monina monina* (FABRICIUS)

*Euthalia dirtea dirteana* CORBET

*Libythea geoffroyi alompra* MOORE

*Anthene emolus goberus* (FRUHSTORFER)

*Hyarotis adrastus* (CRAMER)

### Methods of Classification

Of the material covered in this paper, only four specimens could not be classified to genus and species according to the nomenclature as set down by CORBET & PENDLEBURY (1956). These included *Papilio zaleucus* HEWITSON and *Euploea alcathoe* (GODART), which were identified by using the E. J. GODFREY Collection at Kasetsart University; *Parathyma zeroa* (MOORE), and *Euthalia julii* (BOUGAINVILLE), which were found in WYNTER-BLYTH (1957).

### Acknowledgement

Sincere thanks are extended to *John Brandt* for the use of his collection for identification and for supplying me with additional information pertaining to some of the species found at Khao Yai National Park; to *Edward C. Dickinson* for his helpful suggestions in

the writing of this paper; to *Miss Angoon Lewvanich* and *Mr. Aroon Samruatkit* for making it possible for me to use the GODFREY Collection; to *Alan Tubb*, whose understanding and guidance have helped immeasurably in the preparation of this article; and finally, to *Miss Peggy Crowley* for her valuable stenographic assistance.

## REFERENCES

- CORBET, A. S. and PENDLEBURY, The Butterflies of the Malay Peninsula. 2nd. H.M. (1956). (Revised) Edition, Oliver and Boyd. Edinburgh.
- REEVES, P.A. (1966). Notes on the Butterflies of Khao Yai National Park—Part I. Nat. Hist. Bull. Siam Soc. **21**, pp. 1-20.
- WYNTER-BLYTH, M.A. (1957). Butterflies of the Indian Region. The Bombay Natural History Society, Bombay.



## Appendix I

Areas Where Collected														Genus and Species	Months of Occurrence												
A	B	C	D	E	F	G	H	I	J	K	L	M	N		J	F	M	A	M	J	J	A	S	O	N	D	
			X					X			X			Troides helena			X					X				X	
			X											Troides aeacus												X	
								X						Papilio zaleucus								X					
			X	X				X			X			Atrophaneura aristolochiae	X	X	X	X				X			X	X	
											X			Chilasa clytia				X									
											X			Chilasa slateri	X		X										
											X	X		Chilasa mahadeva			X				X						
					X	X	X							Papilio demoleus			X		X		X	X	X				
X								X	X	X	X			Papilio nephelus			X		X		X	X	X				
X			X					X	X		X	X		Papilio helenus		X	X	X	X		X	X	X	X	X	X	
		X		X	X	X	X		X	X				Papilio polytes				X			X	X	X	X	X	X	
X												X		Papilio memnon			X	X			X	X					
														Papilio memnon													
														f. distantianus			X										
X	X		X	X				X	X		X	X	X	Papilio paris	X	X	X	X	X		X	X	X	X	X		
											X			Graphium antiphates		X	X										
											X			Graphium agetes	X											X	
											X			Graphium aristeus			X										
X			X		X		X	X	X		X	X	X	Graphium sarpedon	X	X	X		X		X	X	X	X	X	X	
X								X			X	X	X	Graphium doson			X		X			X		X	X		
X		X					X		X		X	X	X	Graphium agamemnon			X	X	X		X	X	X	X		X	
											X			Graphium macareus			X		X								
X			X	X		X	X	X			X	X	X	Lamproptera curius	X		X		X		X	X	X	X	X	X	
			X	X		X	X				X			Leptosia nina	X	X	X							X		X	
								X						Delias hyparte			X										
														Delias aglaja			X								X		
			X	X	X	X								Delias descombesi				X						X	X		
											X	X		Cepora nadina	X	X			X		X						
	X			X							X	X		Appias lyncida	X	X	X	X	X		X		X				
				X										Appias libythea			X										
				X								X	X	Appias indra	X	X	X	X								X	
		X	X						X	X	X	X	X	Appias lalassis	X	X											
														Appias albina	X		X	X	X		X		X		X		
														Appias albina													
												X		f. semiflava							X						
												X		Appias wardi				X									
												X		Appias paulina													
							X	X			X	X	X	Hebomoia glaucippe		X	X		X		X	X	X		X		
												X		Valeria valeria		X											
							X	X		X				Catopsilia pyranthe			X		X		X	X					
X	X		X	X			X	X						Catopsilia pomona		X	X	X			X	X		X	X	X	
		X	X				X	X				X	X	Eurema hecabe		X	X	X		X	X	X			X	X	
												X		Gandaca harina			X										
												X		Danaus chrysippus							X						
X	X	X	X			X	X					X		Danaus genutia		X			X					X	X	X	
												X		Danaus melanippus		X	X										

Appendix I (continued)

Areas Where Collected														Genus and Species		Months of Occurrence											
A	B	C	D	E	F	G	H	I	J	K	L	M	N			J	F	M	A	M	J	J	A	S	O	N	D
		X	X			X				X	X			Danaus aspasia		X	X	X		X					X	X	X
				X			X	X			X		X	Danaus melaneus		X	X	X		X			X	X	X	X	
											X			Danaus vulgaris					X								
		X	X	X	X	X	X	X			X		X	Danaus sita		X	X	X		X			X	X		X	
			X				X	X			X			Danaus aglea		X	X	X	X			X				X	
	X	X	X	X		X	X	X			X	X	X	Danaus hamata		X		X		X		X			X	X	
		X	X			X					X	X		Euploea camaralzaman			X		X	X						X	
													X	Euploea alcatheae					X								
							X				X			Euploea core wheeleri				X									
			X		X		X				X			Euploea core godartii		X		X	X		X						
						X						X		Euploea doubledayi						X				X			
		X						X			X			Euploea algea		X	X		X								X
	X	X	X	X	X	X	X	X	X	X	X	X	X	Euploea mulciber		X	X	X		X		X	X		X	X	X
		X	X				X				X	X		Euploea midamus		X		X		X			X				
						X	X				X	X		Euploea modesta			X	X	X	X			X	X			
			X				X				X		X	Euploea sylvester			X	X		X							
											X		X	Euploea leucostictos						X		X					
	X	X	X		X	X	X		X	X	X	X	X	Euploea diocletianus		X	X	X		X		X	X		X	X	
		X	X		X	X	X		X	X	X			Ypthima baldus		X	X					X		X	X	X	X
			X								X			Lethe europe										X	X		
			X	X	X	X					X	X		Lethe confusa			X	X			X	X			X	X	
					X		X							Mycalesis mineus									X	X			
			X			X								Mycalesis perseus									X		X		
							X							Mycalesis visala				X								X	
						X								Mycalesis gotama									X				
						X								Mycalesis orseis										X			
		X	X	X	X	X	X	X		X		X	X	Mycalesis anaxias							X						X
		X	X			X		X			X	X		Orsotriaena medus		X	X	X		X		X	X				X
				X	X							X		Melanitis leda				X	X						X	X	
						X	X						X	Melanitis phedima							X				X		
		X	X	X		X						X	X	Elymnias hypermnestra		X	X	X	X		X		X				X
					X		X				X			Elymnias hypermnestra													
						X						X		tinctoria			X				X	X					
							X						X	Elymnias malelas								X					
											X			Elymnias penanga		X											
											X			Elymnias vasudeva				X									
											X			Faunis canens			X	X									X
											X			Zeuxidia amethystus							X						
	X	X	X	X		X	X	X			X	X		Ariadne ariadne		X	X	X		X		X	X	X	X	X	X
					X						X			Cupha erymanthis			X				X						
											X			Phalanta phalantha													X
		X		X		X					X			Vindula arsinoe		X		X				X			X		
			X	X		X	X		X	X	X		X	Paduca fasciata							X		X	X	X	X	X
X	X	X	X		X	X			X	X	X	X		Cirrochroa tyche		X	X	X		X		X	X	X	X	X	X
							X				X			Terinos clarissa				X				X					



## Appendix I (continued)

Areas Where Collected														Genus and Species	Months of Occurrence												
A	B	C	D	E	F	G	H	I	J	K	L	M	N		J	F	M	A	M	J	J	A	S	O	N	D	
X			X	X				X						Precis iphita	X		X						X			X	
			X	X	X			X			X			Precis atlites	X	X	X		X								
			X			X	X			X	X			Precis lemonias	X	X				X	X		X	X			
			X	X	X	X		X			X			Precis almana	X	X	X					X				X	
						X								Precis orithya			X					X					
												X			Polygonia canace					X							
			X	X								X	X		Symbrenthia hippoclus	X	X						X		X	X	
				X											Symbrenthia hypselis											X	
						X	X						X		Dolechallia bisaltide		X	X			X						
					X								X		Kallima paralekta					X		X					
X				X	X			X		X	X	X		Cyrestis nivea	X	X	X		X						X		
								X						Cyrestis themire							X						
						X			X		X			Chersonesia risa			X		X		X						
				X		X	X				X			Neptis hordonia	X		X					X		X	X		
							X					X		Neptis paraka								X					
	X	X	X	X		X	X				X	X		Neptis hylas	X	X	X				X	X	X	X	X	X	
	X	X			X		X	X	X	X	X	X		Neptis soma	X	X			X	X		X	X	X	X		
									X					Neptis miah						X							
	X	X		X			X		X		X			Parathyma pravara	X	X	X				X	X		X	X	X	
						X	X							Parathyma perius						X	X			X			
							X							Parathyma nefte										X			
	X	X										X		Parathyma selenophora	X	X									X		
	X												X		Parathyma zeroa	X											
				X			X					X			Parathyma ranga		X					X				X	
					X			X							Parathyma asura						X				X		
	X	X		X		X	X	X	X	X	X	X	X		Moduza procris	X	X	X	X	X		X	X		X	X	
	X								X						Limenitis daraxa										X		
					X	X			X	X		X			Limenitis dudu											X	
										X			X		Lebadea martha		X	X				X		X		X	
									X				X		Parthenos sylvia					X		X					
			X			X			X			X		Euthalia lepidea		X	X	X	X		X	X			X		
						X	X	X				X		Euthalia julii					X					X			
						X	X	X						Euthalia aconthea		X			X				X				
						X								Euthalia mahadeva			X										
							X							Euthalia lubentina									X				
X										X	X			Apatura parisatis	X	X	X			X							
X					X							X		Apatura ambica			X										
							X	X					X	Herona marathus	X								X	X			
														Idrusia nycteluis								X					
			X	X								X		Idrusia nycteluis										X	X		
														f. euploeoides									X		X	X	
								X						Idrusia euploeoides								X					
												X		f. nycteluis													
	X												X	Prothoe franki												X	
														Polyura athamas	X												
														Polyura delphis													X

## Appendix I (continued)

Areas Where Collected														Genus and Species	Months of Occurrence													
A	B	C	D	E	F	G	H	I	J	K	L	M	N		J	F	M	A	M	J	J	A	S	O	N	D		
						X					X			Charaxes polyxena			X							X	X			
						X	X				X			Libythea myrrha	X	X	X					X		X				
			X	X	X				X		X			Libythea narina	X	X	X	X			X							
											X			Zemerops flegyas					X									
			X									X		Abisara savitri												X		
												X	X	Abisara geza												X		
											X	X		Abisara neophron									X					
											X			Taxila haquinus					X									
					X			X	X	X				Miletus biggsii	X							X						
		X		X			X	X				X		Castalius roxus					X		X	X			X	X		
			X			X	X				X	X		Castalius rosimon	X		X		X		X	X				X		
				X										Megisba malaya											X			
								X			X	X		Celastrina puspa				X	X			X				X		
											X			Celastrina dilectus		X												
				X		X								Catochrysops panormus									X		X			
							X	X						Lampides boeticus							X	X						
				X	X			X	X	X		X		Nacaduba lysa			X	X										
				X				X	X		X	X		Nacaduba nora	X		X	X			X	X				X		
					X							X		Jamides celeno	X											X		
		X												Jamides alecto											X			
				X										Jamides cyta							X							
			X	X	X	X	X				X			Heliophorus epicles	X	X	X				X					X		
			X		X									Arhopala perimuta					X		X			X				
												X		Arhopala bazalus												X		
											X			Arhopala antimuta				X										
												X		Surenda vivarna							X							
												X		Loxura cassiopeia												X		
											X			Drina donina					X									
						X	X	X						Spindasis syama							X	X						
			X						X	X	X	X		Cheritra freja		X												
										X	X	X	X	Marmessus theda			X	X			X			X		X		
											X			Chliaria kina					X									
								X						Chliaria othona					X									
		X		X			X	X			X			Hypolycaena erlus		X	X				X		X	X				
				X							X			Zeltus amasa			X	X						X				
								X						Remelana jangala								X						
								X						Rapala diances									X					
				X						X				Hasora vitta	X										X			
					X							X		Hasora chromus	X											X		
									X		X			Hasora schoenherri			X											
				X							X			Badamia exclamationis							X							
												X		Choaspes hemixanthus			X											
												X		Tagiades gana					X									
				X									X	Tagiades japetus			X							X	X			
														Tagiades litigiosa										X		X		
											X			Astictopterus jama		X												



# Appendix I (continued)

Areas Where Collected														Genus and Species	Months of Occurrence												
A	B	C	D	E	F	G	H	I	J	K	L	M	N		J	F	M	A	M	J	J	A	S	O	N	D	
				X										Iambrix	salsala	X											
		X	X	X				X	X			X		Sancus	fuligo			X				X	X	X		X	X
			X	X	X	X	X	X	X			X	X	Ancistroides	nigrita	X		X		X		X		X	X		X
			X	X					X			X		Notocrypta	paralysos	X	X			X							
												X		Notocrypta	clavata			X									
				X			X							Notocrypta	curvifascia									X	X		
									X					Udaspes	folus							X					
			X											Pelopidas	assamensis											X	X
	X													Baoris	oceia								X		X		

